



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

(Attorney Docket No. 05222.00183)

In the Application of:

Beams, et al.

Serial No.: n/a

Filed: May 5, 2000

For: System, Method and Article of

Manufacture for .....

Group Art Unit: n/a

Examiner: n/a

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97-1.98, applicants wish to make the following references of record in the above-identified application. These references may be material to the patentability of the presently pending claims. A completed Form -1449 is enclosed. Due to the large number of references and large number of related applications, the Applicant filed a single copy of all of the references in U.S. patent Application Serial No. 09/219,478 in an Information Disclosure Statement filed February 7, 2002. U.S. Patent Application Serial No. 09/219,478 is assigned to Examiner Ingberg in Group Art Unit 2122.

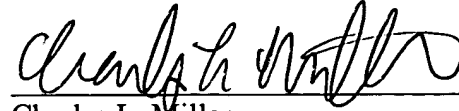
A Protest under 37 C.F.R. 1.291 was filed in U.S. Patent Application Serial No. 09/219,478. The Applicant is attaching a copy of the Protest, as well as a Response filed in the same application by the Applicant. The prosecution of U.S. Patent Application Serial No. 09/219,478 remains open. The Protest and Response are attached as a courtesy to the Examiner, but are not being listed on the attached Form-1449, because they are not prior art references.

This Information Disclosure Statement is being filed within three months of the application filing date or before the mailing of a first Office Action on the merits, accordingly, no fee or separate requirements are required. However, if a fee is due in

connection with this filing, please charge any fees or credit overpayment associated with this paper to Deposit Account No. 01-0850

Respectfully submitted,  
BANNER & WITCOFF, LTD.

Date: February 7, 2002

A handwritten signature in dark ink, appearing to read "Charles L. Miller", is written over a horizontal line.

Charles L. Miller  
Reg. No. 43,805



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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet \_\_\_\_\_ of \_\_\_\_\_

PTO/SB/08A (10-01)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Application Number : n/a

Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: n/a

Examiner Name: n/a

Attorney Docket Number: 05222.00183

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 4,622,013	11/11/1986	Cherchio	
		US- 4,874,784	10/17/1989	Clancey	
		US- 4,981,766	01/02/1990	Derr, et al.	
		US- 4,931,950	06/05/1990	Isle, et al.	
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		US- 5,189,402	02/23/1993	Naimark, et al.	
		US- 5,208,745	05/04/1993	Quentin, et al.	
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		US- 5,326,270	07/05/1994	Ostby, et al.	
		US- 5,359,701	10/25/1994	Chiang, et al.	
		US- 5,372,507	12/13/1994	Goleh	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP 0 689 132 A2	12/27/95	Laffra		
		EP 0 710 942 A2	05/08/96	Siefert		
		EP 0 710 942 A2	05/08/96	Siefert		
		EP 0 798 655 A2	10/01/97	Jervis, et al.		
		WO 00/04478	01/27/00	Jonsson		
		WO 97/44766	11/27/97	Cook		
		WO 98/03953	01/29/98	Simmons		
		WO 98/25251	06/11/98	Ho		
		WO 98/32109	07/23/98	De Lange		

Examiner  
Signature

Date  
Considered

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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		"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
		"ACM Transactions on Information Systems," 1988 at <a href="http://www.acm.org/pubs/toc/Abstracts/tois/59298.html">www.acm.org/pubs/toc/Abstracts/tois/59298.html</a>	
		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1996.	
		"A Special Section -- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
		"DDD--A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
		"Automated Training of Legal Reasoning" at <a href="http://www.bileta.ac.uk/94papers/muntjew.html">http://www.bileta.ac.uk/94papers/muntjew.html</a>	
		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp-341-46, Dec. 1997	
		"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

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		US-5,395,243	03/07/1995	Lutbin, et al.	
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		US- 5,491,743	02/13/1996	Shilo, et al.	
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		US- 5,644,727	07/01/1997	Atkins	
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		US- 5,696,885	12/09/1997	Hekmatpour	
		US- 5,701,400	12/23/1997	Amado	
		US- 5,720,007	02/17/1998	Hekmatpour	
		US- 5,727,161	03/10/1998	Purcell, Jr.	

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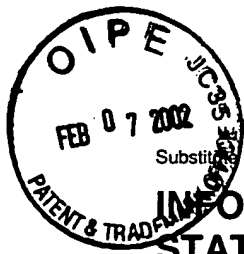
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		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at <a href="http://www.calsci.com/Applications.html">www.calsci.com/Applications.html</a>	
		"KBLPS Overview" at <a href="http://www.cgi.com/CGIWEB/KBLPS/overindex4.html">www.cgi.com/CGIWEB/KBLPS/overindex4.html</a>	
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		"Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41	
		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," <a href="http://www.centurionsys.com/rcl57.html">http://www.centurionsys.com/rcl57.html</a> , Aug. 1997	
		"Technical Report: Computer Aided Education and Training Initiative" at <a href="http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html">http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html</a>	
		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

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		US- 5,745,652	04/28/1998	Bigus	
		US- 5,772,446	06/30/1998	Rosen	
		US- 5,779,468	07/14/1998	Ho, et al.	
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		US- 5,799,151	08/25/1998	Hoffer	
		US- 5,799,292	08/25/1998	Hekmatpour	
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		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

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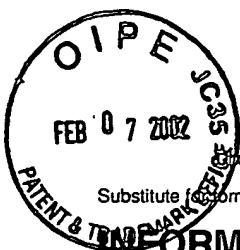
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		"Artificial Intelligence and Mathematics Education" at <a href="http://www.rand.org/hot/mcarthur/Papers/aied.html">http://www.rand.org/hot/mcarthur/Papers/aied.html</a>	
		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at <a href="http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html">http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html</a>	
		"WITS: A Reusable Architecture for a VR-Based ITS" at <a href="http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html">http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html</a>	
		"Brainmaker" at <a href="http://www.npiec.on.ca/~echoscan/28-04.htm">www.npiec.on.ca/~echoscan/28-04.htm</a>	
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		"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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		US-5,974,446	10/26/1999	Sonnenreich, et al.	
		US- 5,987,443	11/16/1999	Nichols, et al.	
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		US- 6,073,127	06/06/2000	Lannert, et al.	
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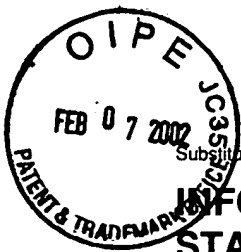
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Application Number : n/a

Filing Date : 05/05/2000

First Named Inventor: Beams

Group Art Unit: n/a

Examiner Name: n/a

Attorney Docket Number: 05222.00183

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		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

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U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-6,101,489	08/01/2000	Lannert, et al.	
		US- 6,125,358	09/26/2000	Hubbell, et al.	
		US- 6,134,539	10/17/2000	O'Connor, et al.	
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

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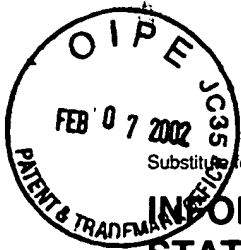
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		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
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		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
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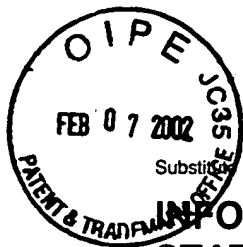
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Filing Date: 05/05/2000

First Named Inventor: Beams

Group Art Unit: n/a

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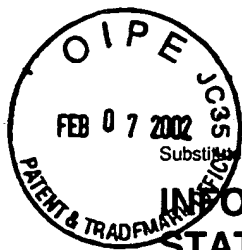
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		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

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		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

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